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Suppose a number of hospitals in a geographic area want to learn how their own heart-surgery unit is doing compared with the others in terms of mortality rates, subsequent complications, or any other quality metric. Similarly, a number of small businesses ...

Keywords: [benchmarking](#), [e-commerce](#), [forecasting](#), [privacy](#), [secure multi-party computation](#), [secure protocol](#)

2 [Compile-time dynamic voltage scaling settings: opportunities and limits](#) Fen Xie, Margaret Martonosi, Sharad Malik
June 2003 PLDI '03: Proceedings of the ACM SIGPLAN 2003 conference on Programming language design and implementation

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With power-related concerns becoming dominant aspects of hardware and software design, significant research effort has been devoted towards system power minimization. Among run-time power-management techniques, dynamic voltage scaling (DVS) has emerged ...


Keywords: [analytical model](#), [compiler](#), [dynamic voltage scaling](#), [low power](#), [mixed-integer linear programming](#)

3 [Case studies in admissions to and early performance in computer science degrees](#)

Sylvia Alexander, Martyn Clark, Ken Loose, June Amillo, Mats Daniels, Roger Boyle, Cary Laxer, Dermot Shinnars-Kennedy

December 2003 ACM SIGCSE Bulletin, Volume 35 Issue 4

Publisher: ACM

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We present seven case-studies of undergraduate recruitment to Computer Science courses together with analysis of students' success during the early part of their study. We focus particularly upon qualification on entry, the subjects studied in the early ...


Keywords: curricula, first-year, international program comparison, logic discrete math, programming courses, undergraduate entry

4 [Intraprogram dynamic voltage scaling: Bounding opportunities with analytic modeling](#)

 Fen Xie, Margaret Martonosi, Sharad Malik

September 2004 ACM Transactions on Architecture and Code Optimization (TACO), Volume 1 Issue 3

Publisher: ACM

Full text available:  pdf(990.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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Dynamic voltage scaling (DVS) has become an important dynamic power-management technique to save energy. DVS tunes the power-performance tradeoff to the needs of the application. The goal is to minimize energy consumption while meeting performance needs. ...

Keywords: Analytical model, compiler, dynamic voltage scaling, low power, mixed-integer linear programming

5 [Achieving simultaneous distribution control and privacy protection for Internet media delivery](#)

 Songqing Chen, Shiping Chen, Huiping Guo, Bo Shen, Sushil Jajodia

May 2008 ACM Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP), Volume 4 Issue 2

Publisher: ACM


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Massive Internet media distribution demands prolonged continuous consumption of networking and disk bandwidths in large capacity. Many proxy-based Internet media distribution algorithms and systems have been proposed, implemented, and evaluated to address ...


Keywords: Distribution control, cooperative proxy, distribution control, media delivery, privacy, proxy caching

6 [Case studies in admissions to and early performance in computer science degrees](#)

 Sylvia Alexander, Martyn Clark, Ken Loose, June Amillo, Mats Daniels, Roger Boyle, Cary Laxer, Dermot Shinnars-Kennedy

June 2003 ITCSE-WGR '03: Working group reports from ITCSE on Innovation and technology in computer science education

Publisher: ACM

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7 [Compile-time dynamic voltage scaling settings: opportunities and limits](#)



Fen Xie, Margaret Martonosi, Sharad Malik

May 2003 ACM SIGPLAN Notices, Volume 38 Issue 5

Publisher: ACM

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Keywords: analytical model, compiler, dynamic voltage scaling, low power, mixed-integer linear programming

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